

ITEM: This Floodplain Permit Application is for the proposed installation of an AC Mitigation cable along on the Magellan Pipeline located in the Little River floodplain, north of Franklin Road between 48th Avenue NE and 60th Avenue NE.

BACKGROUND:

APPLICANT: OneOK (Raven Blunt)

ENGINEER: Kyle Kukuk PE

The applicant is proposing the installation of an AC mitigation cable, to prevent pipe corrosion, along the Magellan Pipeline located through the Little River floodplain, north of Franklin Road and between 48th Avenue NE and 60th Avenue NE. The proposed work consists of trenching approximately 3 feet deep and approximately 10 feet from the centerline of the existing pipeline and installing a cable, then returning the disturbed areas to their original grade. In addition, there will be a test station installed in the floodplain that consists of a PVC pipe and cap that will cover the test wires and piece of carbon steel pipe used to test electrical current. An image of the proposed test station is included with the application packet. The applicant has indicated that OneOK's best management practices will be used while working in the floodplain.

STAFF ANALYSIS:

Site located in Little River Basin or its Tributaries? Yes ☒ No ☐

According to the latest FIRM, the site of the proposed work is located in the Little River Floodplain (Zone A). The BFE for this location is not determined.

Applicable Ordinance Sections:

Subject Area:

36-533	(e)2(a).....	Fill restrictions
	(e)2(e).....	Compensatory storage
	(f)(3)(8)	No rise considerations

(e)2(a) and (e)2(e) Fill Restrictions in the Floodplain and Compensatory Storage – Fill is restricted because storage capacity is removed from floodplains, natural drainage patterns are adversely altered, and erosion problems can develop. Compensatory storage must be provided within the general location of any storage that is displaced by fill or other development activity and must serve the equivalent hydrologic function as the portion which is displaced with respect to the area and elevation of the floodplain.

The applicant has indicated that trenching will occur and the installation of an electrical cable will be installed approximately 3 feet below grade then the area will be returned to original grade. No fill will be brought in and no compensatory will be required. Additionally, the applicant has indicated that any spoils from excavation that may be created will be removed from the floodplain.

(f)3(a)(8) No Rise Considerations – For proposed development within any flood hazard area (except for those designated as regulatory floodways), certification that a rise of no more than 0.05 ft. will occur in the BFE on any adjacent property as a result of the proposed work is required. For proposed development within a designated regulatory floodway, certification that no increase in the BFE on any adjacent property as a result of the proposed work is required.

The project engineer has submitted a No Rise statement and floodplain analysis report indicating that this project will not cause a rise in the BFE at this location, meeting the ordinance requirements.

RECOMMENDATION: Staff recommends Floodplain Permit Application #712 be approved.

ACTION TAKEN: _____